Author Index

Abbas, M. 697
Almirantis, Y. 519
Aoki, I. 321, 449

Baishya, M. C. 125
Berding, C. 233
Beretta, E. 431
Bhaumik, D. 729
Bowes, C. L. 413

Chakraborti, C. G. 125
Chisolm, G. M. III 153

Day, W. H. E. 461
De, S. S. 1
Demiray, H. 289
Dutta-Roy, B. 729

Edmund, C. 217
Ehresmann, A. C. 13
Erbay, H. A. 289
Erbay, S. 289

Geurts, B. J. 487
Gold, G. 379
Gosselin, R. E. 329
Gosselin, R. P. 329
Grodsky, G. M. 379
Gut, A. 171

Haldar, K. 279
Hart, H. 51, 75

Head, T. 737
Heinrich, R. 539
Holm-Rutili, L. 171
Holzhutter, H.-G. 539
Horsfield, K. 413

Joshi, R. R. 187
Jurgensen, H. 93

Kamiya, A. 351
Khan, A. 729
Klanchar, M. 651
Kliemann, W. 135
Koziol, J. A. 495
Kulenovic, M. R. S. 615

Ladas, G. 615
Landahl, H. D. 379, 719
Liang, Z. 51, 75
Lindenmayer, A. 93
Luxon, B. A. 395

Milhaud, G. 597
Misra, J. C. 257
Morris, E. D. 153

Nicolis, G. 519
Noest, A. J. 363

Obrink, K. J. 171

Perault-Staub, A. M. 597

Roozen, H. 671
Rosen, G. 253

Saidel, G. M. 153
Schuster, S. 539
Schwegler, H. 307
Shibata, M. 351
Singh, S. I. 257
Sjontoft, E. 217
Staub, J. F. 597

Takeda, S. 351
Takeuchi, Y. 431
Tarbell, J. M. 651
Tarumi, K. 307
Torrang, I. 171
Tracqui, P. 597
Tuckwell, H. C. 495
Tyagi, V. P. 697

Valls, J. 531
Van Pelt, J. 363
Vanbremeersch, J.-P. 13
Verwer, R. W. H. 363

Wagensberg, J. 531
Wagner, H. N. JR 469
Westcott Vayo, H. 403
Wiegel, F. W. 487
Woldenberg, M. J. 413

Zeeberg, B. R. 469

Subject Index

Arterial tissue 651
Arteries 257
  prestressed 289
Artificial kidney 697
Axial mixing 719

Bayesian methods 51
Binary tree structures 363
Blood flow 257
  279
Bone 597
Boundary layer 307
Branching ratios 413

Calcium dynamics 597
Capillary
  blood flow 171
  exchange 719
  number, optimum 351
Capture, of ligands 487
Cell lineages 93
Charge trapping 729
Compartment models 395
  469
Complex systems 13
Complexity 461
Constraints 51
Cornea 217

Deciduous plant leaves 119
Delays 253
Dendritic processes 135
Developmental systems 93
Dialysis 697
Dissimilarity matrices 461
DNA 737
  repair 187

Ecosystems 531
Entropy 531
  balance 321
  production 449
Enzymatic chains 539
Equilibrium 671
Erythrocytes 539
Evolutive systems 13
Extinction 671

Fluctuations 125
Fluid-bone interface 597
Formal language 737
Fractional exponential decay 487

Geometrical structure 135
Glycolysis 539
Growth 253
  413
  495

Hierarchical systems 13

Image processing 51
Inference 93
Insulin 379

Logistic growth 495

Macromolecular systems 729
Morphogenesis 519

Networks 539
Neuroreceptor 469
Non-equilibrium 125
Non-linear blood flow 257

Oscillations 279
615

Parameter estimation 363
Parietal cells 171
Pathways 539
Pattern 233
Permeability 329
Phylogenies 461
Population dynamics 1
253
495
615
671
Protocell 307
Pulse waves 289

Random dispersal 495
Rat islet beta-cells 379
Radioligand-neuroreceptor interaction 469
Reaction-diffusion 233
Recombinant behaviors 737
Reliability 187

Sickled erythrocytes 403
Solitons 729
Solute transport 697
Source distributions 51
Stability 431
Statistical structure 531
Stochastic models 1
135
671

Time delays 431
Tolbutamide 379
Topological analysis 363
Transform inversion 395
Traps 487

Ultrafiltration 697

Vertex analysis 413
Volterra models 431
Volterra-Lotka systems 125

Water flow 651
White-tailed deer 321

Young's modulus 217